

12/05/98  
PTO

U.S. DEPARTMENT OF COMMERCE  
PATENT & TRADEMARK OFFICE  
INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

ATTY DOCKET NO. 40308  
SERIAL NO. 08/9726  
APPLICANT: David Michael Glenn, et al.  
FILING DATE: Nov. 18, 1997  
Page 1 of 6

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
AWP	3,159,838	12/64	Marotta	167-12	
AWP	3,236,451	1986	Odenseal	167-42	
AWP	2,818,340	12/57	Goddin et al.	89-2	
AWP	4,279,898	7/81	Carle	424/127;424/155	
AWP	3,124,505	3/64	Doyle, et al.		
AWP	4,632,938	12/86	Boase, et al.	514/465	
AWP	2,948,632	8/60	Albert, et al.		
AWP	5,122,518	6/92	Vrba	514/63	
AWP	4,274,883	6/81	Lumbeck, et al.	108/308	
AWP	3,984,649	6/76	Alexander	222/399	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No
AWP	SU 1792257 A3	6/11/90	Soviet Union		X	

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AWP	Driggers, B. F. "Experiments with Talc and Other Dusts Used Against Recently Hatched Larvae of the Oriental and Codling Moths," J. Econ. Ent., 22:327-334 (1929)
AWP	Hunt, C.R., "Toxicity of Insecticide Dust Diluents and Carriers to Larvae of the Mexican Bean Beetle," J. Econ. Ent., 40: 215-218 (1947)
AWP	P. Alexander, J.A. Kitchener and H.V. A. Briscoe, "Inert Dust Insecticides," Parts I, II, and III, Ann. Appl. Biol., 31: 143-159 (1944)
AWP	W. Ebeling, R. F. Wagner "Rapid Desiccation of Drywood Termites with Inert Sorptive Dusts and Other Substances," J. Econ. Ent., 52: 190-207 (1959)
AWP	M. Bar Joseph, H. Frankel "Spraying Citrus Plants with Kaolin Suspensions Reduces Colonization by the Spiraea Aphid," Crop Prot 2: 371-374 (1983)
AWP	S.S. Dhalwal "Effect of Rainfall and Kaolin Spray on the Corn Aphid, Rhopalosiphum maidis (Fitch) Infesting Barley (Hordeum Vulgare Linn)," Ecogr Res, 5: 155-157 (1979)
AWP	A. Boyce, "Mortality of Rhagoletis Completa (Diptera: Tephritidae) Through Ingestion of Certain Solid Materials," J. Econ Ent 25: 1053-1059 (1932)

Examiner: AWP Date Considered: 6/2/98

U.S. DEPARTMENT OF COMMERCE  
PATENT & TRADEMARK OFFICE

ATTY DOC. NO. 4030B

SERIAL NO. 08/972

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

APPLICANT: David Michael Glenn, et al.

FILING DATE: Nov. 18, 1997

Page 2 of 6

02/05/98

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Document Number	Date	Name	Class	Filing Date if Appropriate
8,414,954	5/95	Long	43/121	
4,705,816	11/87	Pole	523/524	
5,392,559	2/95	Long	43/52	
5,480,638	1/96	Erwin	424/614	
4,634,463	1/87	Ohsuga	71	
5,186,935	2/93	Tucker	424/410	
2,441,423	5/48	Elliott, et al.	252	
3,227,857	1/88	Haden, Jr., et al.	252	
3,348,507	10/87	Taulli	252	
4,071,374	1/78	Minton	252	
4,203,864	5/80	Sawyer, Jr.	252	
4,382,868	5/83	House	252	
5,393,461	2/95	Fillipova	252	
5,455,220	10/95	Dedolph	71	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AWP	C. Richardson L. Glover, "Some Effects of Certain 'Inert' and Toxic Substances Upon the Twelve-Spotted Cucumber Beetle, <i>Diabrotica Duodecimpunctata</i> ," J Econ Ent 25 1176-1181 (1932)
AWP	A. Farmer, "The Effects of Dust on Vegetation: A Review," Envir. Pol 79 (1993) 63-75
AWP	V. Wigglesworth, "Action of Inert Dusts on Insects," Nature 153 (1944) 493-494
AWP	W. David, B. Gardiner, "Factors Influencing the Action of Dust Insecticides," Bul Ent Res (1959) 41 1-61
	H. Kaimus, "Action of Inert Dusts on Insects," Nature 33 (1948) 168-169
AWP	J. Kring, "Flight Behavior of Aphids," Ann Rev Ent 17 461-493 (1972)
AWP	S. Chiu, "Toxicity Studies of So-Called 'Inert' Materials with the Bean Weevil, <i>Acanthoscelides Obtectus</i> (Say)" J Econ Ent 32 240-248 (1939)
	M. Baradas, B. Blad, M. Rosenham, "Reflectant Induced Modification of Soybean Canopy Radiation Balance v. Longwave Radiation Balance," Agron J 68 848-852 (1976)

Examiner: AWP

Date Considered: 6/2/98

DEPARTMENT OF COMMERCE  
TRADEMARK OFFICE

ATTY DOCKET NO. 4030B

SERIAL NO. 08/97

APPLICANT: David Michael Glenn, et al.

FILING DATE: Nov. 18, 1997

Page 3 of 6

02/05/98

16573 U.S.

## OTHER ART, (including Author, Title, Date, Pertinent Pages, etc.)

1. G. Stannill, S. Moreshet, M. Fuchs, "Effect of Increasing Foliage and Soil Reflectivity on the Yield and Water Use Efficiency of Grain Corn," *Agrochimica* 18:329-332 (1976)

2. S. Moreshet, S. Stannill, M. Fuchs, "Effect of Increasing Foliage Reflectance on Yield, Growth and Physiological Behavior of a Dryland Cotton Crop," *Crop Sci* 19:863-868 (1979)

3. R. Yokomi, "A Preliminary Report of Reduced Infection by *Spiroplasma citri* and Virescence in Whitewash-Treated Parwinkle," *Phytopathology* 71:914 (1981)

4. D. Ewelling, "Similar Effects of Suspensions of Copper Oxychloride and Kaolin on Sprayed Leaves," *Ann Appl Biol* (1972) 70, 245-249

5. J. Jack, J. Gilbert, "The Effect of Suspended Clay on Ciliate Population Growth Rates," *Freshwater Biol* (1993) 29, 385-394

6. H. Uppal, S. Cheema, "Effect of Mulches and Kaolin Spray on Soil Temperature, Growth, Yield and Water Use of Barley," *Ind J Agric Sci* (1981) 51, 653-659

7. D. Meador, "Reducing Russet on 'Golden Delicious' Apples with Silicon Dioxide Formulation Foliage Sprays," *Hort Sci* (1977) 12, 504-505

8. T. Babu, S. Hussaini, B. Satyanarayana, "Effect of Pre-Storage Seed Treatments on Adult Mortality, Oviposition and Development of *Callosobruchus chinensis* L. (Bruchidae: Coleoptera) and the Viability of Mungbean (*Vigna radiata* (L.) Wilczek) in India," *Tropical Pest Mgt* (1989) 35, 397-398

9. T. Babu, S. Hussaini, M. Sriramulu, M. Siddiqui, "Effect of Inert Clay and Insect Growth Regulators on the development of *Callosobruchus chinensis* L and the Germination of Mungbean Seed [*Vigna radiata* (L.) Wilczek]"

10. R. Campbell, J. Ephgrave, "Effect of Bentonite Clay on the Growth of *Gaeumannomyces graminis* var. tritici and on its Interactions with Antagonistic Bacteria," *J Gen Microbiol* (1983) 129, 771-777

11. J. Desmarchelier, C. Ahern, "Insecticide-Retentive Carriers 2. Fenitrothion-Impregnated Clays," *Aus J Exper Agric* (1988) 28, 271-8

12. R. Wagner, W. Ewelling, "Lethality of Inert Dust Materials to *Kaloterms minor* Hagen and Their Role as Preventives in Structural Pest Control," *J Econ Ent* (1959) 52, 208-212

13. J.S. Kennedy, C.O. Booth, W.J.S. Kershaw, "Host Finding by Aphids in the Field," *Ann Appl Biol* (1981), 49, 1-21

14. W.O. Cline, R.D. Milholland, "Root Dip Treatments for Controlling Blueberry Stem Blight Caused by *Botryosphaeria dothidea* in Container-Grown Nursery Plants," *Plant Disease* 76:136-138 (1992)

15. J. Norman, "Development of *Colletotrichum gloeosporioides* f. sp. *clidemiae* and *Septoria passiflorae* into Two Mycoherbicides with Extended Viability," *Plant Disease* 79:1029-1032 (1995)

16. S.K. Bhattacharyya, M.G. Basu, "Kaolin Powder as a Fungal Carrier," *Appl Environ Microbiol* 44:761-763 (1982)

Examiner: Alan K...

Date Considered: 5/2/98



## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

- W. E. Brennan, I. Leone, "Phytotoxicity of Captan as Influenced by Formulation, Adjuvants, and Cabbage Leaves," *Phytopathology* (1957) 47, 567-572
- W. J. Thacker, DJ Curtis, "The Effects of Three Adjuvants On the Retention of Insecticide Formulations by Cabbage Leaves," *J Environ. Sci. Health* (1996) B31, 165-178
- W. J. Haukenes, BK Hjeltms, "Kinetics of the Binding of Immunoglobulins, Antibodies and Virus Haemagglutination Inhibitors to Kaolin," *Biologicals* (1991) 19, 31-35
- W. J. Han, "Use of Antitranspirant Epidermal Coatings for Plant Protection in China," *Plant Dis.* (1990) 74, 263-268
- W. J. O. Ziv, RA Frederiksen, "The Effect of Film-Forming Anti-Transpirants on Leaf Rust and Powdery Mildew Incidence on Wheat," *Plant Path* (1987) 36, 242-245
- W. J. C. Jacob, et al. "New Strategies in the Control of Major Leaf Disease of Hevea," *J Myco & Plant Path* (1995) 25, 120
- W. J. S. Marco, "Incidence of Nonpersistently Transmitted Viruses in Pepper Sprayed with Whitewash, Oil, and Insecticide, Alone or Combined," (1993) *Plant Dis* 77, 1119-1122
- W. J. Ziv, O. "Control of Septoria Leaf Blotch of Wheat and Powdery Mildew of Barley with Antitranspirant Epidermal Coating Materials," *Phytopar* (1983) 11, 33-38
- W. J. M. Kamp, "Control of Erysiphe Cichoracearum on Zinnia Elegans, with a Polymer-Based Antitranspirant," *Hort Sci* (1985) 20, 879-881
- W. J. J. Zekaria-Oren, Z Eyal, "Effect of Film-Forming Compounds on the Development of Leaf Rust on Wheat Seedlings," *Plant Dis* (1991) 75, 231-234
- W. J. A. Franck, M. Bar-Joseph, "Use of Netting and Whitewash Spray to Protect Papaya Plants Against Nivun Haamlr (NH) Dieback Disease," *Crop Prot* (1992) 11, 525-528
- W. J. O. Ziv, "Effects of Bicarbonates and Film-Forming Polymers on Cucurbits Foliar Diseases," *Plant Dis* (1992) 76, 513-517
- W. J. TC Helvey, "Insecticidal effect of Inert Solid Diluents," *Sci* (1952) 116, 631-632
- W. J. HG Guy, HF Dietz, "Further Investigations with Japanese Beetle Repellents," *J Econ Ent* (1939) 32, 248-252
- W. J. C. Concelcao, A. Mexia, A. Barbosa, "Combined Effects of Silica Aerogels and Insect Growth Regulators Against Sitophilus Zeamais Motch Infestations," *Int Cong Ent pro* 1996
- W. J. MRGK Nair, "Structure of Waterproofing Epicuticular Layers in Insects in Relation to Inert Dust Action," *Indian J. Ent* (1957) 19, 37-49
- W. J. BR Bartlett, "The Action of Certain Inert Dust Materials on Parasitic Hymenoptera," *J Econ Ent* (1951) 44, 891-896
- W. J. GL Hockenhyp, "Effect of Dusts on the Oriental Roach," *J Econ Ent* (1933) 26, 792-793

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

APPLICANT: David Michael Glenn, et al.

FILING DATE: Nov. 18, 1997

Page 5 of 6

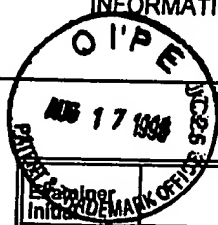
02/05/98  
35673 U.S. PAT. & TM. OFF.

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AWP	I. Hirano, M. Kiyota, I. Aiga, "Physical Effects of Dust on Leaf Physiology of Cucumber and Kidney Bean Plants," <i>Environ Poll</i> (1985) 89, 255-261.	AN
AWP	NKS Rao, "The Effects of Antitranspirants on Leaf Water Status, Stomatal Resistance and Yield in Tomato," <i>J Hort Sci</i> (1985) 60, 89-92	
AWP	DW Eveling MZ Elsa, "The Effects of a Cuticle-Damaging Kaolin On Herbicidal Phytotoxicity," <i>Weed Res</i> (1976) 16, 16-18	
AWP	S. Marco, O. Ziv, R. Cohen, "Suppression of Powdery Mildew in Squash by Applications of Whitewash, Clay and Antitranspirant Materials," <i>Phytopar</i> (1194) 22, 19-29	
AWP	SM Lipson, G. Stotzky, "Effect of Kaolinite on the Specific Infectivity of Reovirus," <i>FEMS Micro. Let.</i> 37, 83-88 (1986)	
AWP	S. Lavie, G. Storzky, "Adhesion of the Clay Minerals Montmorillonite, Kaolinite, and Attapulgite reduces Respiration of <i>Histoplasma Capsulatum</i> ," <i>App &amp; Envir Micro</i> (1988) 51, 65-73	
AWP	MS Rajan, KR Reddy, RS Rao, GHS Reddi, "Effect of Antitranspirants and Reflectants on Pod Yield of Rainfed Groundnut," <i>Agric Sci Dig</i> (1981) 1, 205-206	
AWP	W. Ebeling, RJ Pence, "Termites and Other Enemies of Wood," <i>Pest Cont Oct.</i> 1956, 46-64	
AWP	DW Eveling, A. Battaille, "The Effect of Deposits of Small Particles on the Resistance of Leaves and Petals to Water Loss," <i>Environ Poll</i> (1984) 36, 229-238	
AWP	M. Llewellyn, J. Ervaz, "Abrasive Dusts as a Mechanism for Aphid Control," <i>Ent. Exp. &amp; Appl.</i> 26 (1979) 219-222	
AWP	M Swamiappan, S Jayaraj, KC Chandy, "Effect of Activated Kaolinitic Clay on Some Storage Insects," <i>Z. Ang. Ent.</i> 80 (1976), 385-389	
AWP	D Permul, G Le Patourel, "Laboratory Evaluation of Acid-Activated Kaolin to Protect Stored Paddy Against Infestation by Stored Product Insects," <i>J Stored Prod Res</i> 26, 149-153, 1990.	
	D Permul, G Le Patourel, "Small Bin Trials to Determine the Effectiveness of Acid-Activated Kaolin Against Four Species of Beetles Infesting Paddy Under Tropical Storage Conditions," <i>J Stored Prod Res.</i> 28, 193-199 (1992)	
AWP	DT Lowery, MK Sears, CS Harner, "Control of Turnip Mosaic Virus of Rutabaga With Applications of Oil, Whitewash, and Insecticides," <i>J Econ Ent</i> (1990) 83, 2352-2356	
AWP	S. Marco, "Incidence of Aphid-Transmitted Virus Infections Reduced by Whitewash Sprays on Plants," <i>Amer. Phytop.</i> (1986) 76, 1344-1348	
AWP	J. Bashizki, M. Evenari, "The Influence of a Reflectant on Leaf Temperature and Development of the Globe Artichoke ( <i>Cynara scolymus</i> L.)," <i>J. Am Soc Hort Sci</i> 100, 109-112 (1976)	
AWP	EF Dumer, J. Gianagna, "Interactions of Ethephon, Whitewashing, and Dormant Oil on Peach Pistil Growth, Hardness and Yield," <i>Am. Hort Sci</i> 27, 104-105 (1992)	
AWP	EF Dumer, J. Gianagna, "Peach Pistil Growth Inhibition and Subsequent Bloom Delay by Midwinter Bud Whitewashing," <i>Am Hort Sci</i> 25, 1222-1224 (1990)	
AWP	WJ Lipton, "Temperatures and Net Heat Gain in Normal and Whitewashed Cantaloupe Fruits," <i>J. Amer. Hort. Sci</i> 97, 242-244 (1972)	



FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 4030B	SERIAL NO. 08/972,651
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT: Glenn, et al.	
		FILING DATE: Nov. 18, 1997	GROUP: 1763



REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS			
Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
AWI	6,597,400	1/28/97	Nonomura et al.	71/28	

FOREIGN PATENT DOCUMENTS					
Examiner Initial	Document number	Publication Date	Country or Patent Office	Class	Translation
AWI	58 065201	18-04-83	JAPAN (ABS)		Yes No
					x

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AWI	STANHILL ET AL.: "Effect of Increasing Foliage and Soil Reflectivity on the Yield and Water Use Efficiency of Grain Sorghum". AGRONOMY JOURNAL, Vol. 68, March 1976-April 1976, pages 329-332, XP002067941.
AWI	MORESHET ET AL.: "Effect of Increasing Foliage Reflectance on Yield, Growth and Physiological Behavior of a Dryland Cotton Crop", CROP SCIENCE, Vol. 19, Nov. 1979-Dec. 1979, pg. 863-868, XP002067942.
AWI	THOMPSON ET AL.: "The Effect of Dust on Photosynthesis and Its Significance for Roadside Plants", ENVIRONMENTAL POLLUTION (Series A), Vol. 34, 1984, pages 171-190, XP-002067947.
AWI	ELLER ET AL.: Der Einfluß von Straßenstaub auf die Strahlungsabsorption durch Blätter ARCHIV FÜR METEOROLOGIE, GEOPHYSIK UND BIOKLIMATOLOGIE (Serie B), vol. 23, 1976, pages 137-146, XP-002067948.
AWI	RICKS ET AL.: "Effects of Atmospheric Pollution on Deciduous Woodland - Part 3: Effects on Photosynthetic pigments of Leaves on Quercus petraea (Mattuschka) Leibl", ENVIRONMENTAL POLLUTION, Vol. 8, 1975, pages 97-106, XP-002067949.
AWI	FARMER, A. M.: "The Effects of Dust on Vegetation - A Review", ENVIRONMENTAL POLLUTION, Vol. 79, 1993, pages 63-75, XP002067943.

Examiner: Adam Pryor	Date Considered: 8/2/99
----------------------	-------------------------